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Hidden Software Capabilities (1996) ([Make Corrections](#)) (23 citations)

D. Hagimont, J. Mossière. X. Rousset de Pina, F. Saunier
International Conference on Distributed Computing Systems



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Abstract: : Software capabilities are a very convenient means to protect cooperating applications. They allow access rights to be dynamically exchanged between mutually suspicious interacting applications. However, in all the proposed approaches, capabilities are made available at the programming language level, requiring application developers to wire protection definition in the application code, which is detrimental to both flexibility and reusability. We believe instead that capabilities should be... ([Update](#))

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...at the runtime. Our JCCap capability based model rely on the Hidden Software Capabilities defined and developed by one of the author [Hagimont96]. The hidden software capabilities technique overcome the difficulties of capability based systems as presented in the section 3....

.... scheme is to use objects as capabilities [22] by interposing a restricted proxy object between the user and the target (23) see also [24, 25, 26]) 2.4. Certified Code Recently, a number of researchers have investigated the concept of certified code. ProofCarrying Code (PCC)...

Cited by: [More](#)

A Unified Security Framework for Networked Applications - Abendroth, Jensen (2003) ([Correct](#))

Partial Outsourcing: A New Paradigm for Access Control - Abendroth, Jensen (2003) ([Correct](#))

The Snowflake Distributed System - Howell (1998) ([Correct](#))

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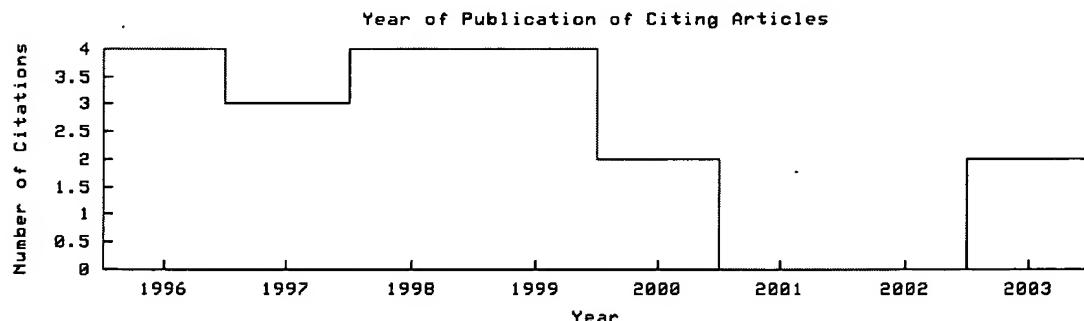
D. Hagimont, J. Mossière, X. Rousset, F. Saunier. Hidden Software Capabilities, Proc. of the 16th International

Conference on Distributed Computing Systems, May 1996. <http://citeseer.ist.psu.edu/hagimont96hidden.html> [More](#)

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@inproceedings{ hagimont96hidden,
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- 116 Structure and Encapsulation in Distributed Systems: The Prox.. - Shapiro - 1986 [DBLP](#)
- 112 Capability-Based Computer Systems (context) - Levy - 1984 [ACM](#)
- 112 Sharing and Protection in a SingleAddress -Space Operating S.. - Chase, Levy et al. - 1972
- 100 The Multics System: an Examination of its Structure (context) - Organick - 1972
- 77 Hydra: The Kernel of a Multiprocessor Operating System (context) - Wulf, Cohen et al. - 1974 [DBLP](#)
- 69 Using Sparse Capabilities in a Distributed Operating System - Tanenbaum, Mullender et al. - 1986 [DBLP](#)
- 59 ACM Transactions on Programming Languages and Systems (context) - Birrell, Nelson et al. - 1984
- 39 OMG Document Number (context) - Common, Broker et al. - 1991
- 32 The Cambridge CAP Computer and its Operating System (context) - Wilkes, Needham - 1979
- 19 Protection in the BirliX Operating System (context) - Kowalski, Hartig - 1990
- 14 Protection in the Guide Object-Oriented Distributed System - Hagimont - 1994 [ACM](#) [DBLP](#)
- 7 Sun Microsystem (context) - RPC, Compiler - 1988
- 5 Mechanism and Structure in System (context) - England, Concept - 1975
- 4 Fine-Grained Access Control in a Transactional Object-Orient.. (context) - Cabrera, Luniewski et al. - 1992 [DBLP](#)



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- Mutual Suspicion in a Generic Object-Support System - Jensen, Hagimont (1998) [\(Correct\)](#)

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[Using Constraints To Achieve Stability In Automatic Graph..](#) - Böhringer, Paulisch (1990) (Correct)
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www.ee.washington.edu/faculty/karl/Publications/PS/SIGCHI90.ps.gz

[Consistency Driven Planning](#) - Decker, Moerkotte, Posegga (1996) (Correct) (3 citations)
the well-known problems of linear planning. The **kernel** of the planner consists of a deductive database
The basic problem of a logic-based planner is to **model** state changes that result from the execution of
we would not allow a block to become a table, **protected** predicates are introduced. The set of **protected**
pi3.informatik.uni-mannheim.de/publications/daisd92.ps

[User Customization of Virtual Network Interfaces with U-Net/SLE](#) - Oppenheimer, Welsh (1998) (Correct)
(3 citations)

Often, these systems bypass the operating system **kernel** to achieve high performance however the features
and reception. By leveraging the existing U-Net **model**, applications may implement protocol code at the
[User Customization of Virtual Network Interfaces with](http://www.cs.berkeley.edu/~mdw/projects/unet/..unet-sle/unet-sle-tr.ps.gz)
www.cs.berkeley.edu/~mdw/projects/unet/..unet-sle/unet-sle-tr.ps.gz

[Hidden Software Capabilities](#) - Hagimont, de Pina, Saunier (1996) (Correct) (11 citations)
a separate **protected** layer (the operating system **kernel** or one of its extensions)and by providing
In this paper, we propose a new **protection model** based on hidden software capabilities, in which
aspect of distributed computing, in particular when **users** cooperate using shared objects or shared memory.
ftp.inrialpes.fr/pub/sirac/publications/96-iccdcs-prot-PUB.ps.gz

[Adaptive Navigational Facilities in Educational Hypermedia](#) - Pilar (Correct)
possible to use information represented in a **user model** and then adapt the content and/or the links to be
educational hypermedia INTRODUCTION Hypermedia **users** with different goals and knowledge may be
that **user**. Adaptive hypermedia systems build such a **model** with the goal of personalizing hypermedia.
www.cs.kuleuven.ac.be/~denisep/papers/pilar-short.ps

[Adding User Interface to a Behavioral Specification](#) - Systä (1995) (Correct) (1 citation)
in parallel with events from the environment. The **model** of reactive system is also suitable for **modeling**
[Adding User Interface to a Behavioral Specification](http://ftp.lri.fr/LRI/articles/mbl/ehci95/Systa.ps.Z) Kari
ftp.lri.fr/LRI/articles/mbl/ehci95/Systa.ps.Z

[What is Wrong with GUIs for Theorem Provers?](#) - Merriam, Harrison (1997) (Correct) (12 citations)
Appeared in proceedings of UITP'97, INRIA Sophia Antipolis, France Nicholas A. Merriam Michael D.
rather than the interface. Growing numbers of modern TPAs now have genuinely direct manipulation
Abstract Direct manipulation graphical **user** interfaces (GUIs) are widely available in
www.cs.york.ac.uk/~nam/uitp97.ps.gz

[Intelligent Filtering; Based on Keywords Only?](#) - Lantz, Kilander (1995) (Correct) (2 citations)
to regard as interesting, some kind of feedback **model** is required. The feedback **model** enables the **user**
fk@dsv.su.se ABSTRACT Empirical studies on **users** of Usenet News indicate that features other than
kind of feedback **model** is required. The feedback **model** enables the **user** to provide the system with
www.dsv.su.se/~fk/if_Doc/chi95.ps.Z

[Ruling the complexities of OS design and maintenance using..](#) - Wohlrab (1996) (Correct)
the construction of frameworks 2 for building **kernel** families is currently un- 1 But we do not view

seems to be a temptation to construct an overall **model** covering all, or at least most of the various type. This way the workstation of the common **user**, the file server machine, the system
www.tu-chemnitz.de/informatik/HomePages/Betriebssysteme/publications/local/papers/1996/Wohlrab1996.ps.gz

Fast Secure Processor for Inhibiting Software Piracy and.. - Jun Yang Youtao (2003) (Correct) (6 citations)
Fast Secure Processor for Inhibiting Software **Piracy** and Tampering Jun Yang Youtao Zhang* Lan Gao events. The representative technique of the above **model** is called execution only memory, or XOM, meaning internally before execution. This prevents any **user** having the full control of the computer from
www.microarch.org/micro36/html/.pdf/yang-FastSecureProcessor.pdf

How to Prove Where You Are: Tracking the Location of Customer.. - Gabber, Wool (1998) (Correct) (6 citations)

is performed by a secure, tamper-resistant module. **Piracy** is a major problem for DBS service providers. period are downloaded into the customer's STT. **Modern** DBS systems typically use a "callback" or broadcast and decrypts the programs that the **user** is entitled to (see Figure 1)The decryption
www.bell-labs.com/user/eran/where-ccs5.ps.gz

Efficient Traitor Tracing Algorithms Using List Decoding - Silverberg, Staddon, Walker (2001) (Correct) (2 citations)

feature that it accumulates important additional **piracy** information, namely, a list of all coalitions two important tracing algorithms. In a popular **model** for traceability schemes a unique set (possibly ordered) of r symbols is associated with each **user**. For example, the set may be associated with a
www.math.unl.edu/~jwalker/papers/taipp.pdf

Using the Internet to Reduce Piracy Proc. INET '95 Ralf C. Hauser - Ha Us Er (Correct)

1 Introduction Instructions in a Microsoft **antipiracy** brochure [1] illustrate that, with the
Using the Internet to Reduce **Piracy** Proc. INET '95 Ralf C. Hauser Abstract Copyright Distribution Under the assumptions of the **model**, a software producer cannot prevent the consumer
seclab.anseo.dankook.ac.kr/papers/HAUSER95.ps

On the Global Dimension of Computer Legislation: A Third.. - Adnan Yahya Electrical (Correct)

computerstored information. Examples are software **piracy**, unauthorized access to systems and information, due to the presence of computer components in many **modern** systems. Products differ, among other factors, of their use, methods of interaction with **users**, accessibility from remote locations and their
www.birzeit.edu/eng/yahya/knoright.ps

Piracy: the Dark Side of Electronic Commerce CIS-700/2 - Arnaud Sahuguet (Correct)

Juli'an Besc'os, and Martin Treu. Digital Access to Antiquities. CACM, April 1998. 9] J. Gosling, B. Joy,
Piracy: the Dark Side of Electronic Commerce CIS-700/2 very useful for filtering (by applying a smoothing **kernel**) or cropping. Some mathematical transformations
www.cis.upenn.edu/~sahuguet/PLAN/piracy.ps.gz

WARP: A Digital Watermark Based Copy Protection Architecture - Martinian, Wornell (Correct)

obvious use of such a scheme would be to prevent **piracy** of Digital Video Disk (DVD) content. Another use has the secure player dial a central computer via **modem** and upload the billing records. The secure player Warp:a Digital Watermark Based Copy **Protection** Architecture Emin Martinian, Greg Wornell
www.csua.berkeley.edu/~emin/writings/warp.ps

Scalable Public-Key Tracing and Revoking - Dodis, Fazio, Kiayias, Yung (2004) (Correct) (3 citations)

Schemes constitute a very useful tool against **piracy** in the context of digital content broadcast. In To address these issues, we introduce the **model** of Scalable Public-Key Traitor Tracing, and the authorities can trace the identities of the **users** that contributed in its construction (called
eprint.iacr.org/2004/160.ps.gz

Digital Fingerprinting for Distribution Volume Tracking.. - Uzuner, Davis (Correct)

versions of their works. DRMs and the supporting anti-circumvention legislation have so far been mostly publishing industries alone, the loss to copyright **piracy** was estimated at \$500 million in 2002. owners while increasing the value the content **users** can extract from creative works. Keywords:
www.ai.mit.edu/~ozlem/Uzuner-CCCT.pdf

An Efficient Software Protection Scheme - Maña, Pimentel (2001) [\(Correct\)](#) [\(2 citations\)](#)
information commerce. Abstract: Software **piracy** has been considered one of the biggest problems
the software is not installed or it works in demo **mode** with restricted functionality. This mechanism is
The objective is to guarantee that only authorized **users** can run the software. Our work is mainly aimed to
polaris.lcc.uma.es/~amg/papers/IFIPSEC01-SoftProt.pdf

Topics In Isotopic Pairs And Their Representations - Juriev (1994). [\(Correct\)](#)
Second, one may compare it with the definition of "anti-Jordan pairs" [4] cf.also the related definition
mpej.unige.ch/mp_arc/c/94/94-267.ps.gz

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